

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-33. (Canceled).

34. (Previously Presented) A library of candidate target binding fragments (CTBF's) each CTBF being a small organic molecule and having a linkable functional group (LFG) or blocked form thereof (BLFG), wherein the LFG or BLFG contains a linking group (LG), the LG being a disulfide group.

35. (Previously Presented) The CTBF library of claim 34, wherein each CTBF of the library further contains at least a second LG selected from the group consisting of an amide, secondary amine, disulfide, sulfonamide, ureido, thiourea, carbamate and sulfonamide.

36. (Previously Presented) The CTBF's of claim 35, wherein the second LG is an amide.

37. (Previously Presented) The CTBF's of claim 35, wherein the second LG is a sulfonamide.

38-52. (Canceled).

53. (Previously Presented) A library of candidate target binding fragments wherein each fragment is a small organic molecule and each member of the library is represented by the formula:



wherein R^8 is

a straight chain or branched alkyl of 1 to 10 carbon atoms that is optionally substituted with up to five groups selected from the group consisting of halide, alkyl, aryl, heteroaryl, carboxy ester, carboxamide, amino, *N*-acylamino, alkoxy, hydroxy, mercapto, phosphono and sulphono; or

an aryl or heteroaryl that is optionally substituted with halide, alkyl, aryl, halide, heteroaryl, carboxy ester, carboxamide, amino, *N*-acylamino, alkoxy, hydroxy, mercapto or phosphono.

54. (Previously Presented) The library of claim 53, wherein R^8 is a straight chain alkyl of 1 to 10 carbon atoms optionally substituted with amino or hydroxy.

55. (Previously Presented) The CTBF of claim 53, wherein each CTBF of the library further contains at least a second LG selected from the group consisting of amide, secondary amine, disulfide, sulfonamide, ureido, thiourea, carbamate and sulfonamide.

56. (Previously Presented) The CTBF of claim 55, wherein the second LG is an amide.

57. (Previously Presented) The CTBF of claim 55, wherein the second LG is a sulfonamide.

58. (New) The library of claim 53, wherein R^8 is a straight chain alkyl of 1 to 10 carbon atoms substituted with amino.

59. (New) The library of claim 53, wherein R⁸ is a straight chain alkyl of 1 to 10 carbon atoms substituted with hydroxyl.
